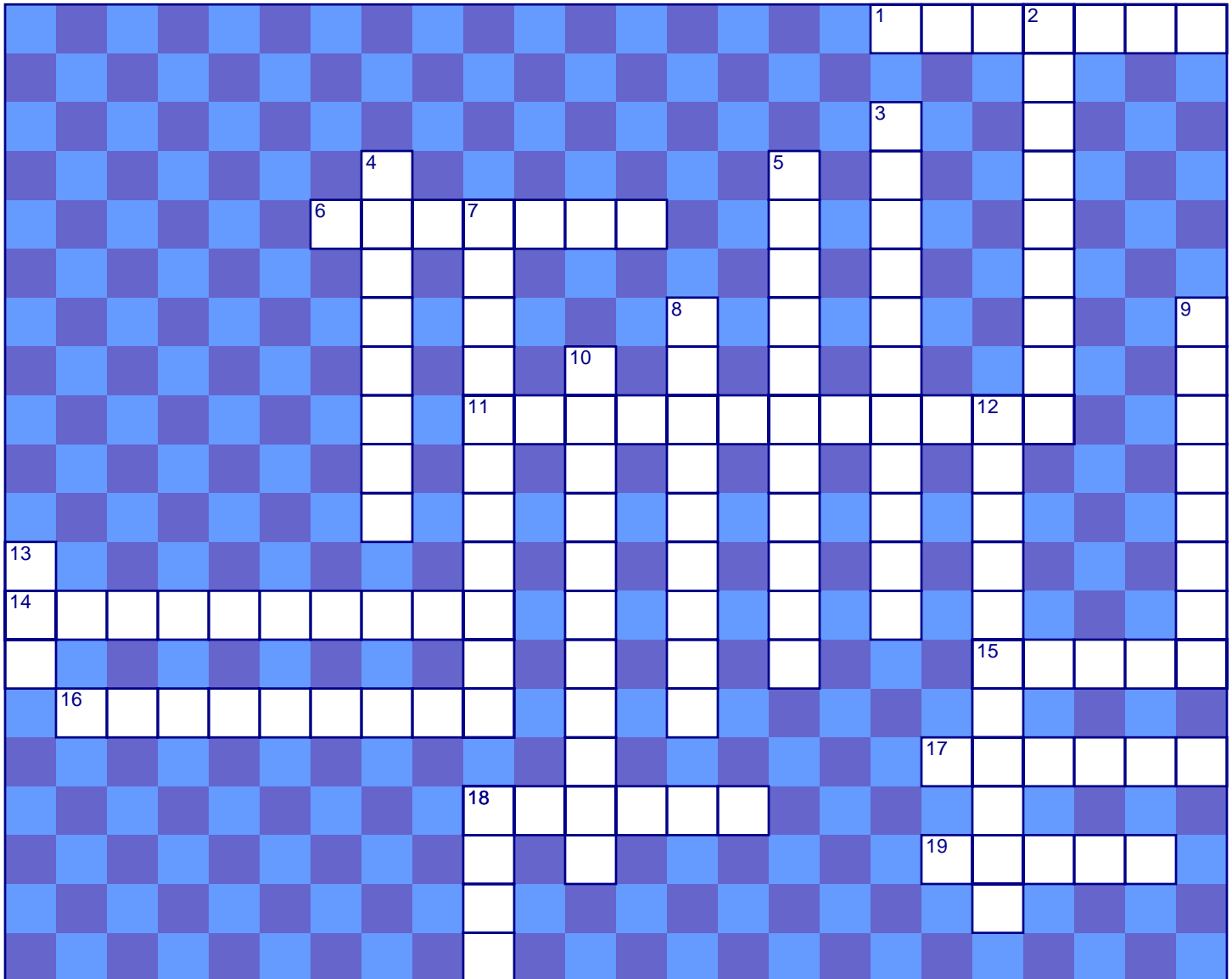


Earth Science: Geology, the Environment, and the Universe

Name: _____

Date: _____

Instructions: Complete the crossword puzzle. Use the clues to help you solve the puzzle.



Across

1. Imaginary line that lies at 0 degrees latitude and circles Earth midway between the north and south poles.
6. Study of materials that make up Earth and the processes that form and change these materials.
11. Study of Earth's oceans including the creatures that inhabit its waters, its physical and chemical properties, and the effects of human activities.

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14. Blanket of gases surrounding Earth that contains about 78 percent nitrogen, 21 percent oxygen, and 1 percent other gases such as argon, carbon dioxide, and water vapor.
15. Map _____ - Ratio between the distances shown on a map and the actual distances on Earth's surface.
16. All of Earth's organisms and the environments in which they live.
17. An explanation based on many observations during repeated experiments; valid only if it is consistent with observations, makes predictions that can be tested, and is the simplest explanation.
18. Map _____ - Key that explains what the symbols on a map represent.
19. _____ meridian - Imaginary line representing 0 degrees longitude, running from the north pole, through Greenwich, England, to the south pole.

Down

2. Study of objects beyond Earth's atmosphere.
3. _____ map - Map that uses contour lines, symbols, and color to show changes in the elevation of Earth's surface and features such as mountains, bridges, and rivers.
4. _____ projection - Map with parallel lines of latitude and longitude that shows true direction and the correct shapes of landmasses but distorts areas near the poles.
5. Science of mapmaking.
7. Earth's rigid outer shell, including the crust and the solid, uppermost part of the mantle.
8. Distance in degrees east and west of the prime meridian.
9. Distance in degrees north and south of the equator.
10. Branch of Earth science that studies the air that surrounds our planet.
12. All the water in Earth's oceans, lakes, seas, rivers, and glaciers plus all the water in the atmosphere.
13. Basic fact that describes the behavior of a natural phenomenon.
18. Contour _____ - A line on a topographic map that connects points of equal elevation.